



SPYWOLF

Security Audit Report



Completed on
August 3, 2022

MADE IN USA 

@SPYWOLFNETWORK



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OVERVIEW

This audit has been prepared for **BounceNPlay** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

”

- SPYWOLF Team -





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BounceNPlay



PROJECT DESCRIPTION

According to their whitepaper:

BounceNPlay or \$BNP is Triple-Play Protocol BSC coin that promotes considerable income potential and healthy lifestyle to everyone.

The progressive design of \$BNP combines the following three applications and use cases:

- Move-to-Earn (M2E)
- Play-to-Earn (P2E)
- Automatic Staking and Rebase System

Release Date: Presale starts on August, 2022

Category: P2E/M2E



CONTRACT INFO

Token Name
BounceNPlay

Symbol
BNP

Contract Address

0x43194448D478FD1897A7DC83bb1c86fDF5FD6710

Network

Binance Smart Chain

Language

Solidity

Deployment Date

April 25, 2022

Verified?

Yes

Total Supply

325,000

Status

Not launched

TAXES

Buy Tax
14%

Sell Tax
16%

*Taxes cannot be changed



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



CURRENT STATS

(As of August 03, 2022)



Liquidity

Not added yet



Burn

No burnt tokens

Status:
Not Launched!

MaxTxAmount
No Limit

DEX:
PancakeSwap

LP Address(es)

Liquidity not added yet



TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	325000 BNP
Median Transfer Amount	325000 BNP
Average Transfer Amount	325000 BNP
First transfer date	2022-04-25
Last transfer date	2022-04-25
Days token transferred	1

SMART CONTRACT STATS

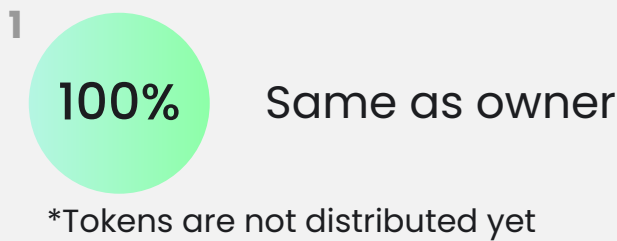
Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	Apr-25-2022 04:19:14 PM +UTC
Created	Apr-25-2022 04:19:14 PM +UTC
Create TX	0x874daf6efdaa4701cbb7d75a9c485475f969ec05f399deac5756f3bbca0c8e7b
Creator	0xd45cf68a060202709e0e39a0285ebbc783668f73



FEATURED WALLETS

Owner address	0xbfff30c4e954effc7e68f4516ecd3e0094d02ee4
Treasury receiver	Same as owner
Insurance fund receiver	0x70c2ee820c854db139b759c39fc8757b9aced3bf
Auto liquidity receiver	0x0ba2ecf677e083128cb6f3d3ce5b66ba4e9da862
LP address	Liquidity not added yet

TOP 3 UNLOCKED WALLETS





VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ High Risk

Owner can blacklist only contract address.

If the liquidity pair is blacklisted, this will lead to inability to buy/sell.

```
function setBotBlacklist(address _botAddress, bool _flag) external onlyOwner {  
    require(isContract(_botAddress),  
        "only contract address, not allowed externally owned account");  
    blacklist[_botAddress] = _flag;  
}
```

- Recommendation:
 - Considered as good transfer restriction practice is liquidity pair to be always excluded from such actions.



Informational

This is rebase token with changing supply up to Max Supply 3,250,000,000. Current supply is 325,000.
This can lead in token's price inflation in future.

```
uint256 private constant MAX_SUPPLY = 325 * 10**7 * 10**DECIMALS;

function shouldRebase() internal view returns (bool) {
    return
        _autoRebase &&
        (_totalSupply < MAX_SUPPLY) &&
        msg.sender != pair &&
        !inSwap &&
        block.timestamp >= (_lastRebasedTime + 15 minutes);
}

function _transferFrom(address sender, address recipient, uint256 amount)
internal returns (bool) {
    .....
    if (shouldRebase()) {
        rebase();
    }
    .....
}

function rebase() internal {
    .....
    uint256 deltaTime = block.timestamp - _lastRebasedTime;
    uint256 times = deltaTime.div(15 minutes);
    for (uint256 i = 0; i < times; i++) {
        _totalSupply = _totalSupply
            .mul((10**RATE_DECIMALS).add(rebaseRate))
            .div(10**RATE_DECIMALS);
    }
    .....
}
```

Owner can turn on/off auto rebase.

```
function setAutoRebase(bool _flag) external onlyOwner {
    if (_flag) {
        _autoRebase = _flag;
        _lastRebasedTime = block.timestamp;
    } else {
        _autoRebase = _flag;
    }
}
```

Owner can exclude address from fees.

```
function setWhitelist(address _addr) external onlyOwner {
    _isFeeExempt[_addr] = true;
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

BounceNPlay

GOOD PRACTICES FOUND

- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot set a transaction limit
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



⚠ There is no information about the initial tokens distribution on the project's whitepaper and/or website.

TOKENOMICS



THE TEAM

! The team is
anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL

<https://www.bouncenplay.net/>

Domain Registry

<http://www.namecheap.com>

Domain Expiration

Expires on 2023-04-25

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Single page, appropriate color scheme and graphics.

Content

The information helps new investors understand what the product does right away. No grammar mistakes found.

Whitepaper

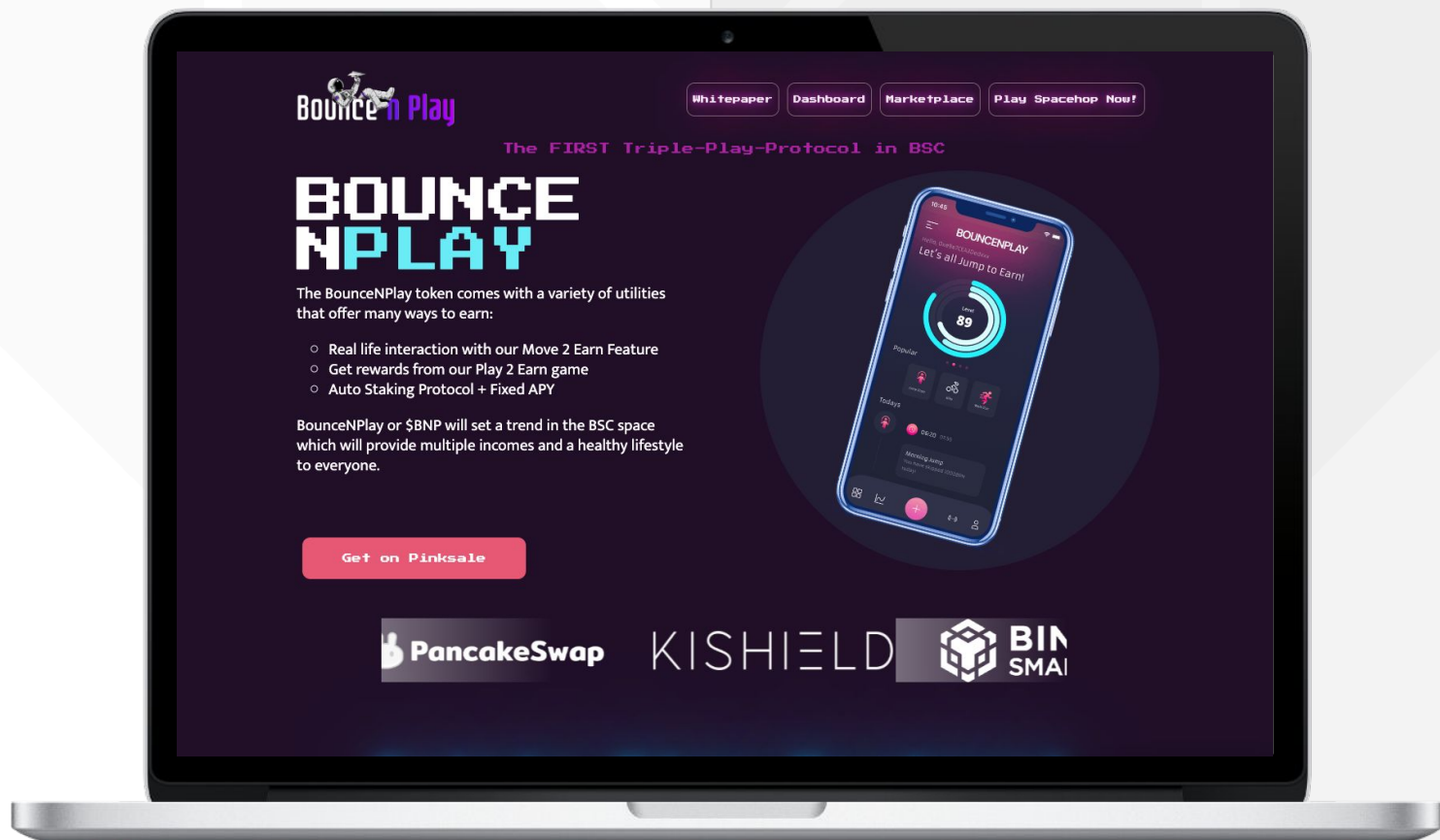
Well written, explanatory.

Roadmap

Yes, goals set without time frames.

Mobile-friendly?

Yes



bouncenplay.net

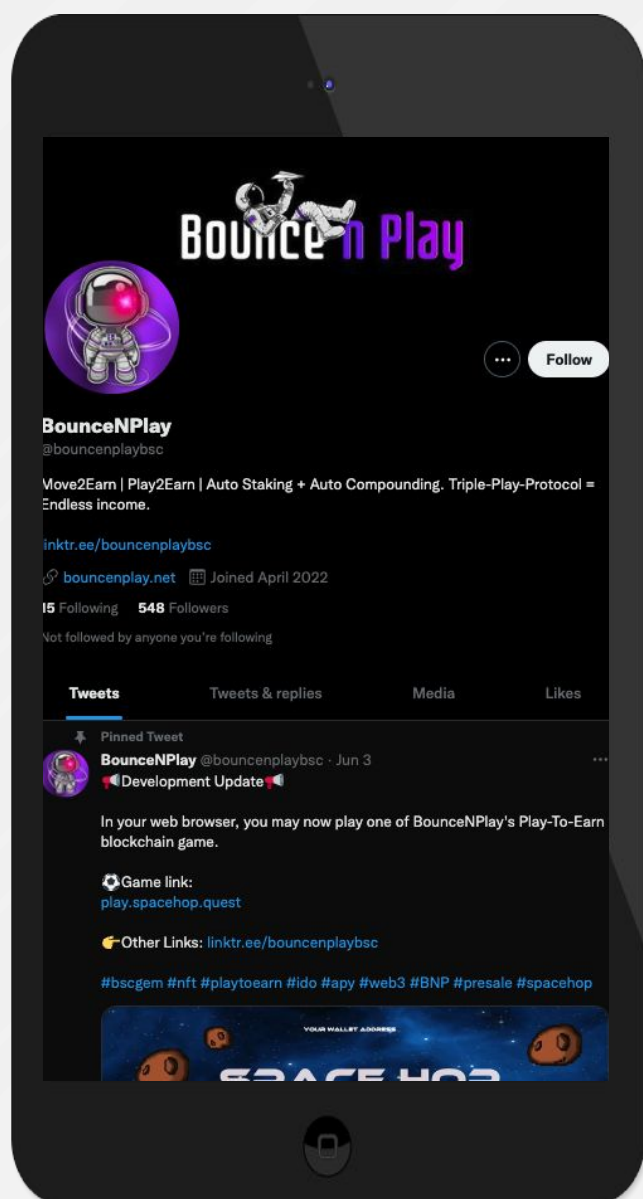


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

Project's social media pages are dormant with rare interactions between users



Twitter

@bouncenplaybsc

- 548 followers
- 8 total posts since April
- Not very active ⚠️



Discord

- Not available



Telegram

@bouncenplay

- 299 members
- No active members ⚠️
- No active mods ⚠️



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.